

Automotive Management Consulting GmbH

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

AMC GmbH is a technology house for lightweight construction innovations, in particular for hybrid metal and innovative fibre composite solutions as well as in the field of weight-neutral smart textiles. As a technology house for lightweight construction innovations and innovative fibre composite solutions as well as smart textiles, AMC has been researching, developing, marketing and industrialising the fibre winding technology "xFK in 3D" since 2015.

Lightweight expert knowledge exists in particular with regard to design methodology, market demand, technologisation, failure prediction, failure behaviour and the application spectrum of lightweight solutions. Based on the market and technology studies and around 30 technical feasibility studies (different 3D-wound components in/ for different markets and industry segments), AMC has in-depth knowledge of the requirements profile of future industrial applications and can therefore fully define, plan, control and coordinate the digital process development for "xFK in 3D". Various principle and functional models and prototype components have been designed, developed and manufactured for leading international OEMs and aircraft manufacturers, among others. AMC GmbH has a 5-axis experimental facility which is used for testing purposes.

Im Thal 2
82377 Penzberg
Bavaria
Germany

www.automotive-management-consulting.com



Organisation type

Small or medium-sized enterprise

Sectors



Employees

Up to 9

Turnover

Up to €2m

Funding

Automotive Management Consulting GmbH

About this organisation

Main areas covered xFK process technology in 3D, Natural fibre-based ultra-lightweight construction, Innovation management

Infrastructure Technical centre for tests & prototypes

Certifications

Keywords

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting Training, Consulting	✓	✓	
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis	✓		
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP)	✓	✓	✓
Fibres Basalt fibres, Carbon fibres, Natural fibres	✓	✓	✓
<i>Functional materials</i>			
Metals Aluminium, Intermetallic alloys, Magnesium, Steel, Titanium	✓		
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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